

Substitute Form PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
07252-008002Application No.
09/805,664**Information Disclosure Statement
by Applicant**

(Use several sheets if necessary)

Applicant
Zyskind et al.Filing Date
March 13, 2001Group Art Unit
1645

(37 CFR § 1.96(b))

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
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	AH						
	AI						
	AJ						
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TECH CENTER 1600/2900

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	FS	Kernodle, D.S., et al., "Expression of an Antisense hla Fragment in Staphylococcus aureus Reduces Alpha-Toxin Production In Vitro and Attenuates Lethal Activity in a Murine Model," INFECTION AND IMMUNITY, vol. 65, no. 1 (1997), pp. 179-184.
	FT	Parish, T., et al., "Development and use of a conditional antisense mutagenesis system in mycobacteria," FEMS Microbiology Letters, vol. 154 (1997), pp. 151-157.
	FU	
	FV	

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

SUBSTITUTE FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
07252/008001SERIAL NO.
08/971,090INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)APPLICANT
Zyskind et al.FILING DATE
November 14, 1997

GROUP

(37 CFR 1.98(b))

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5 6 6 5 5 0	09/09/97	Roninson et al.			
	AB	5 6 3 9 5 9 5	06/17/97	Mirabelli et al.			
	AC	5 2 1 7 8 8 9	06/08/93	Roninson et al.			
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	AO	Akhtar, S., et al., "In vivo studies with antisense oligonucleotides," <u>TIPS</u> , Vol. 18, pp. 12-18 (January 1997)
	AP	Xie, Y., et al., "A ribozyme-mediated, gene 'knockdown' strategy for the identification of gene function in zebrafish," <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 94, pp. 13777-13781 (December 1997)
	AQ	Spann, T., et al., "Mutagenesis and gene identification in <i>Dictyostelium</i> by shotgun antisense," <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 93, pp. 5003-5007 (May 1996)
	AR	Li, L., et al., "tsg101: A Novel Tumor Susceptibility Gene Isolated by Controlled Homozygous Functional Knockout of Allelic Loci in Mammalian Cells," <u>Cell</u> , Vol. 85, pp. 319-329 (May 3, 1996)

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	8A						
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	8K						

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							YES	NO
	BL							
	BM							
	BN							
	BO							
	BP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	BQ	Mao, J., et al., "Gene Regulation by Antisense DNA Produced <i>in Vivo</i> ," <u>J. Biol. Chem.</u> , Vol. 270, No. 34, pp. 19684-19687 (1995)
	BR	Ripalti, A., et al., "Cytomegalovirus-Mediated Induction of Antisense mRNA Expression ... Identification of an Essential Gene," <u>J. Virol.</u> , Vol. 69, No. 4, pp. 2047-2057 (Apr. 1995)
	BS	Murphy, C., et al., "A double counter-selection system for the study of null alleles of essential genes in <i>Escherichia coli</i> ," <u>Gene</u> , 155, pp. 1-7 (1995)

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CA						
	CB						
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

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							YES	NO
	CL							
	CM							
	CN							
	CO							
	CP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	CQ	Inokuchi, Y., et al., "A Hammerhead Ribozyme Inhibits the Proliferation of an RNA Coliphage SP in <i>Escherichia coli</i> ," <u>J. Biol. Chem.</u> , Vol. 269, pp. 11361-11366 (1994)
	CR	Diederich, L., et al., "A Versatile Plasmid Vector System for the Regulated Expression of Genes in <i>Escherichia coli</i> ," <u>BioTechniques</u> , Vol. 16, No. 5, pp. 916-923 (1994)
	CS	Jacobs, C., et al., "Bacterial cell wall recycling provides cytosolic muropeptides as effectors for β -lactamase induction," <u>The EMBO Journal</u> , Vol. 13, no. 19, pp. 4684-4694 (1994)

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SUBSTITUTE FORM PTO-1449 (MODIFIED) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 07252/008001	SERIAL NO. 08/971,090
	APPLICANT Zyskind et al.		
	FILING DATE November 14, 1997	GROUP	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	DA						
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	DL							
	DM							
	DN							
	DO							
	DP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	DQ	Lindquist, S., et al., "AmpG, a signal transducer in chromosomal β -lactamase induction," <u>Molecular Microbiology</u> , 9(4), pp. 703-715 (1993)
	DR	Chrisey, L., et al. "Internalization of Oligodeoxyribonucleotides by <i>Vibrio parahaemolyticus</i> ," <u>Antisense Research and Development</u> , 3, pp. 367-381 (1993)
	DS	Gasparro, F.P., et al., "Photoactivatable Antisense DNA: Suppression of Ampicillin Resistance in Normally Resistant <i>Escherichia coli</i> ," <u>Antisense Research and Development</u> , 1, pp. 117-140 (1991)

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	EA						
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	EK						

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							YES	NO
	EL							
	EN							
	EN							
	EO							
	EP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	EQ	Hastie, N., et al., "Analysis of mRNA populations by cDNA-mRNA hybrid-mediated inhibition of cell-free protein synthesis," <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 75, No. 3, pp. 1217-1221 (1978)
	ER	Genbank Accession No. AF000956
	ES	Genbank Accession No. M20791

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	FA						
	FB						
	FC						
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	FL							
	FM							
	FN							
	FO							
	FP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	FQ	Genbank Accession No. M14029
	FR	Genbank Accession No. S67816
	FS	

EXAMINER

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07252-008001	Application No. 08/971,090
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant <i>Zyskind et al</i>	
		Filing Date November 14, 1997	Group Art Unit 1655

09/805664
 03/13/01
 US PTO

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,679,523	10/21/97	Li et al.			01/16/96
	AB	5,955,275	09/21/99	Kamb			03/04/97
	AC						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AD	EP 0 816 511	01/07/98	EPO			X	
	AE	EP 0 837 142	04/22/98	EPO			X	
	AF	WO 98/20161	05/14/98	PCT			X	
	AG	WO 99/28508	06/10/99	PCT			X	
	AH	WO 99/35494	07/15/99	PCT			X	
	AI	WO 99/50462	10/07/99	PCT			X	
	AJ	WO 99/52926	10/21/99	PCT			X	
	AK	WO 99/53079	10/21/99	PCT			X	

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AQ	
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Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Zyskind, J. W., et al.	
		Filing Date November 14, 1997	Group Art Unit 1655

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U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,906,742	March 6, 1990	Young, et al.	536	27	July 31, 1986
	AB						
	AC						
	AD						
	AE						
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	AH						
	AI						
	AJ						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AQ	Holzmayr TA, Pestov DG, Roninson IB., Isolation of dominant negative mutants and inhibitory antisense RNA sequences by expression selection of random DNA fragments, <i>Nucleic Acids Res</i> 1992 Feb 25;20(4):711-717.
	AR	Gudkov, A.V., and Roninson, I.B., Isolation of Genetic Suppressor Elements (GSEs) from Random Fragment cDNA Libraries in Retroviral Vectors, <i>Methods in Molec. Biol.</i> , Vol. 69, cDNA Library Protocols, Edited by I.G. Cowell and C.A. Austin, Humana Press, Inc. Totowa, N.Y.
	AS	
	AT	

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